

The Colloid Chemistry of Clays and Kaolins, by
K. Nishikawa.
GERMAN, per, Kolloid Zeitschrift, Vol XXXVIII,
No 4, 1926, pp 328-333.

M Nat Bu of Standards

Scl - Chem

Mar 64

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Appearance of Pearl Chain Formation of Emulsion
Particles Under the Influence of an Alternating
Field, by Ernst Muth, 8 p.

GERMAN, per, Kolloid-Zeit, 1927, Vol XII, No 2

SLA 59-18233

Sci
NY 60
Vol 3, No 4

116, 792

Some Methods for Producing Hydrosols, by A.Dumanski
GERMAN, per, Kolloid Zeitschrift, Vol. 41, 1927,
pp 108-111
CSIRO/ No. 6832

S i -
Aug 67

336-002

On Colloidal and Molecularly Dispersed Solubility
and a Law of Peptization, by W. Ostwald.
GERMAN, per, Kolloid Zeitschrift, Vol. 61, 1927,
pp 163-169
CSIRO/No.6833

Sol -
Aug 67

536-011

KOLLODZETTSOWITZ

1927 V61 P100-122

1932 V59 N1 P55-56

1934 V68 P152-157

1935 V70 P100-119

1935 V72 N1 P13-17

1936 V76 N1 P25-33

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70-21917 <0>

70-22605 <0>

70-22778 <0>

70-22646 <0>

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ORDER FROM NYC

On the Dependence of the Colloidal Solubility on
the Relative Quantity of Solid Matter, by A.

Buzagh.

GERMAN, per, Kolloid Zeitschrift, Vol. 42, 1927,

pp 169-183

CSIRO/ No. 4334

Ssi -

Aug 67

335-999

The Swelling of Activated Charcoal, by P. N. Pawlow,
18 pp.

GERMAN, per, Kolloid Zeitschrift, Vol XLII, 1927,
pp 112-119.

Def Sci Info Svc T 28 G

Scientific - Chemistry

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CIA 2101311

Dec 53 CTS

The Double Refraction of Rubber in the Deformed and
in the Undeformed State, by M. Kroeger, 8 pp.
GERMAN, per, Kolloid Zeitschrift, Vol XLV, 1928,
pp 52-56. 9695003
DDC RSIC-289

Sci - Phys
Nov 64

TT-64-71519

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Application of the Fourier Function to
Diffusion, by E. L. Lederer.

GERMAN, par. Kolloid. -Z., 46, 1928,
pp 169-173.

*NES TT 70-57379

Sci.-Phys
Aug 70

The Gelling of Fatty Oils, by Johannes Schei^bser
16 p.

GERMAN, per, Kolloid-Zeit, 1928, Vol XLVI, No 4,
pp 337-345.

SLA 60-10379

Sci
Apr 60
Vol. XII, No 3

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TT-64-14290

Gessner, H.
SOME STUDIES ON THE SETTING OF CEMENT, II.
[Nov 30] 8p (figs omitted)
Order from SLA \$1.10

I. Gessner, H.

TT-64-14290

Trans. of Kolloid-Z[eitschrift und Zeitschrift für
Polymere] (Germany) 1928, v. 47, p. 65-[76].

DESCRIPTORS: *Cements, *Hardening, *Aging
(Materials), Viscosity, Electrical conductance,
Deformation, Vapor pressure,

(Materials, TT. v. 11, no. 9)

Office of Technical Services

Activation of Carbon with Steam, by P. P.
Koshelevitch and N. A. Iannilov, #. 10 pp.

GERMAN, per, Kolloid Z., Vol XLVII, 1928,
pp 241-246.

~~136-5236~~

Sci

SLA 57-3064

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Tartaric Acid Method in the Preparation of
Negatively Charged Sols. 2. The Colloidal Nature
of the Fehling Solution, by A. Dumanski, A. Chalikow.
GERMAN, per, Kolloid Zeitschrift, Vol. 47, 1929
CSIRO/ No. 6830

Sol -
Aug 67

636-001

Relationships Between Electro-Kinetic Migration,
Velocity, Peptization and Stability of Coarse-
Disperse Systems, by A Buzagh.
GERMAN, per, Kolloid Zeitschrift, Vol. 48, 1929,
pp 33-43
CSIRO/ No. 6829

Sci -
Aug 67

116-000

Tartaric Acid Method in the Preparation of
Negatively Charge Sols, the Colloidal Nature
of the Fehling Solution, by A. Chalisew, A.

Dumanski.

GERMAN, per, Kolloid Zeitschrift, No 47, 1929,

pp 31-121

OSIRO/No 6830

Sci -
Jul 67

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Andreasen, A. H. M. and Anderson, J.
THE RELATION OF GRADING TO INTERSTITIAL
VOIDS IN LOOSELY GRANULAR PRODUCTS (WITH
SOME EXPERIMENTS). [1962] 19p. 15 refs.
Order from SLA \$1.60 62-18017

Trans. of Kolloid-Zeitschrift (Germany) 1929, v. 49,
Dec, p. 217-228.

DESCRIPTORS: Sand, Cements, Refractory materials,
Molding, Pavements.

(Unannounced)

62-18017

I. Andreasen, A. H. M.
II. Anderson, J.

Office of Technical Services

Layer Filtration: A Contribution to the Theory of
the Gas Mask II, by 40 pp.

GERMAN, per, Kolloid Z., Vol LII, 1930, pp 88-103.

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Def Sci Info Sv, DRB,
Canada, T38G

Scientific - Chemistry

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Nov 54 CTS/DEX

Modern Adhesives, by R. Ditmar, 3 pp.

GERMAN, per. Kolloid Z. Vol LV, 1931, p 120.

SLA Tr 57-942

Sci - Chemistry
Feb 58

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61-12791

Reiner, Marcus.
THE HYDRODYNAMICS OF SYSTEMS OF VARYING
VISCOSITY, IV. [1960] 10p.
Order from ATS \$12.90

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Trans. of Kolloid-Z[eitschrift] (Germany) 1931,
v. 54, no. 2, p. 175-181.

151552

- I. Colloids--Viscosity
- I. Reiner, M.
- II. ATS-44M47G
- III. Associated Technical Ser-
vices, Inc., East Orange,
N. J.

Office of Technical Services

(Unannounced)

Width of the Pores of Ultrafilters, by H.
Beckhold, M. Schlesinger, and K. Silber-
eisen~~84/84/~~, 84 pp.

GERMAN, per, Kolloid Z., Vol. LV, No 2, May
1931, pp 172-198.

SLA Tr 57-2245

Sci - Chem Tech

Jul 58

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Temperature and Stability of Colloidal Solutions,
by S. S. Sleschinsky, 10 p.

GERMAN, per, Kolloid-Zeitschrift, 1931, Vol LIV,
No 1, pp 278-281.

SLA 59-20247

Sci
Feb 60
Vol 2, No 12

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The Hygroscopicity of Woods Dried in Various Ways,
by Carl G. Schulze, Kurt Beradt, 14 p.

GERMAN, per, Kolloid-Zeitschrift, 1931, Vol XIV,
No 3, pp 314-326.

SLA 59-20455

Sci
Mar 60
Vol 3, No 1

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Kubelka, Paul.
THE VAPOR PRESSURE ISOTHERMS AND THE SUB-
MICROSCOPICAL STRUCTURE OF ACTIVE CARBON
(Die Dampfdruckisotherme und die Submikroskopische
Struktur der Aktiven Kohle). [1963] [31]p. {foreign
text included} 7 refs.
Order from TLA \$3.60

63-16756

Trans. of Kolloid-Zeitschrift (Germany) 1931, v. 55,
no. 2, p. 129-143.

DESCRIPTORS: *Activated carbon, Absorption,
Microstructure, Gases, *Carbonic acids, Water vapor,
Benzols, Ether, Chloroform, Nitro radicals, *Vapor
pressure.

(Chemistry--Physical, 771, v. 13, no. 7)

63-16756

I. Kubelka, P.

Office of Technical Services

Adsorption of Gases by Active Carbon, by
Remy and Hene.

GERMAN, ~~per~~, Kolloid Z., Vol LXI, Oct-Dec 1932,
p 313.

*U.K.A.E.A.

Sci - Chem
Sep 62

Varification of AdsorptionFormulae, by
Lederer.

GERMAN, per, Kolloid Z., Vol LXI, Oct-Dec 1932,
p 323.

*U.K.A.E.A. //

Sci - Chem
Sep 62

Aerosols, Particularly Those of Iron Oxide, by
G. Jander.
GERMAN, per, Kolloid-Z, Vol 63, 1933, pp 5-12.
*AEC 127-54

Sci-Chem
Jul 68

Viscosimetry of Colloids, Especially Solutions of
Cellulose Esters, by R. Eisenschitz, 15 pp.

GERMAN, per, Kolloid-Z., Vol LXIV, No 2, 1933, pp
184-185.

ATS 541290

Sci • Chem
Jul 59
OTS I, 11

91,011

II Microphotographic Investigations of
Swelling in Spruce and Beech Wood on
Microtome Sections in Transmitted
Light, and on Wood Billets in Incident Light,
by H. Beiser.

CHERNIAK, per, Kolloid-Zeitschrift,
Vol. LV, No 2, 1933, pp 203-211.

CSIRO 4828

Sci - Biol
Jul 62

204,954

The Determination of the Distribution of Forces
According to Their Size in Filters and Membranes.
by F. Erbs,

GERMAN, ber, Kolloid Z, Vol LXIII, No 3, 1933,
pp 277-285.

ATS 452-CJ

Sci - Chem

Aug 60

123,354

Ageing of Gelatinous Basic Zinc Salts. Topo-
chemical Reactions of Compact Disperse Subs-
tances, by W. Feitknecht.

GERMAN, per, Kolloid Zeit, Vol 68, 1934,
pp 184-190.

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Sci-Chem
Dec 69

398,192

Formation of Metal Hydrides With Atomic Hydrogen,
II. Investigations With the Tantalum-Hydrogen
System, by Erich Piesssch, et al.
GERMAN, per, Kolloid Zeit, Vol 68, 1934,
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*ABO ORNL-tr-1570

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Feb 67

The Limits of the Use of Ultrafiltration
for the Detection of the Colloid State,
by B. Braschler. 29 pp.

GERMAN, per, Kolloid Z., Vol LXVIII,
No 3, 1931, pp 289-298.

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ABRE, Hurvell
Tr-1679

Sci - Chem
Sep 62

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Investigations on Friction and Adhesion. IV.
Theory of Adhesion to Small Particles, by
B. Derjaguin, 23 pp.
GERMAN, per, Kolloid-Zeitschrift, 9228266, Vol LXIX,
1934, pp 155-164.
AEC OROEL-tr-424

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Sci-Electronics
Nov 65

Formation of Metal Hydrides With Atomic
Hydrogen. II. Investigations with the
Tantalum-Hydrogen System, by Erich Pietsch,
Herbert Lehl, 22 pp.
GREENMAN, per, Kolloid-Ztschr., Vol 68, No 2,
1934, pp 226-230. P911142967
AEC ORNL Tr-1570

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Sci - Chemistry
May 67

X-ray Spectroscopy and Electron Spectroscopy of
Inorganic Gels, Particularly Hydroxides and Oxides,
by R. Frick. WJCL

GERMAN, W. H., Kolloid Z., Vol LXX, No 3, 1934,
pp 312-324.

RAB 840

Sci - Phys
Mar 60

11,866

Use of a Simple Beaker Centrifuge for the
Determination of Particle Size in Colloidal
Solutions, by M. Schlesinger.
GERMAN, per, Kolloid Zeit, Vol 76, 1934,
pp 135-142.
AAEC LIB/Trans 234

Sci-Chem
Feb 70

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Philippoff, W. THE THEORY OF STRUCTURE VISCOSITY. I. [1960] 19p. Order from ATS \$25. 65 ATS-45M47G Trans. of Kolloid [Zeitschrift] (Germany) 1935, v. 71, no. 1, p. 1-16.	61-12785 I. Colloids--Viscosity I. Philippoff, W. II. ATS-45M47G III. Associated Technical Services, Inc., East Orange, N. J.
151900	ATS/96/GJ
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Hydroxide Gels and Hydrated Oxide Gels, and Their
Amphoteric Properties. 22. Amorphous and Crystal-
lized Oxide Hydrates and Oxides by A. Krause.

GERMAN, per, Kolloid-Zeitschrift, Vol LXXII, No 1,
1935, pp 18-25.

CSIRO Tr 4215

Oct. 62

63-10038

Velisek, J. and Vasicek, A.
STUDIES ON THE STRUCTURE OF CERAMIC
DIAPHRAGMS BY MEANS OF ELECTRIC MEASURE-
MENTS. [1962] 14p. (figs. tables [refs.] omitted).
Order from SLIA \$1.60 63-10038

I. Velisek, J.
II. Vasicek, A.

Trans. of Kolloid Zeitschrift (West Germany)
1935, v. 71, no. 1, p. 36-48.

DESCRIPTORS: *Ceramic materials, *Diaphragms
(Mechanics), Porous materials, *Capillaries,
Measurements, Electrical conductance, Electric
potential, Resistance (Electrical), *Surface properties,
Thickness, Moisture.

(Materials--Ceramics, TT, v. 9, no. 11)

Office of Technical Services

Preparation and Properties of High Concentration Sols.
Part IV: Thorium Hydroxide Sols, by N. R. Dhar,
M. Mitra, 13 pp.

BERMAN, per, Kolloid Zeitschrift, Vol LXVI, No 2,
1957, pp 172-176. 9087621

AEC ORNL-TM-231

di - Chem
in 62

203, 204

Investigations of the Fine Structure
of Wood. Part II. The Vapor-Pressure
Lowering of Various Liquids on their
Absorption by Wood and Lignin, by H.
Snechtling and H. Zocher, 19 pp.

GERMAN, per, Kolloid Z., Vol LXXII, No 3,
1935, pp 336-345.

SBA-57-3292

Sci - Aug 58

72, 5-15

Applications of a Simple Air-driven Centrifuge
to Colloid Chemistry Problems, by

J. W. McBain, R. F. Stuswer.

GERMAN, per, Kolloid Zeit, Vol 74, 1936,
pp 10-16.

NLL Ref:5828.4F (M.13421)

Sci-Chem
Feb 70

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THE THEORY OF STRUCTURE VISCOSITY. II (1).
THE FLOW OF STRUCTURE VISCOUS SUBSTANCES.
[1960] 17p.
Order from ATS \$21.95 ATS-46M47G

Trans. of Kolloid-Z[schift] (Germany) 1936, v. 75,
no. 2, p. T42-T54.

See also 61-12785.

151552

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- I. Colloids - Viscosity
- I. Philippoff, W.
- II. Title: Flow...
- III. ATS-46M47G
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Office of Technical Services

(Unannounced)

Colloid Science and Vacuum Tubes, A. V. Buzagh, 26 pp.

GERMAN, Kolloid-Z., per, Vol LXXVII, No 2, 1936,
pp 172-183.

SLA 57-2511

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Bjornstahl, Y. and Snellman, K. O.
THE INFLUENCE OF AN ELECTRIC FIELD ON THE
VISCOSITY OF PURE LIQUIDS AND COLLOIDAL
SUSPENSIONS. 4 June 59 [28]p. 12 refs.
Order from SLA \$2.60

62-10020

Trans. of Kolloid-Zeit[schrift] (Germany) 1937, v. 78,
no. 3, p. 258-272.

Portions of this report will not reproduce well.

DESCRIPTORS: Liquids, Colloids, Viscosity, Electric
fields.

(Unannounced)

62-10020

I. Bjornstahl, Y.
II. Snellman, K. O.

Office of Technical Services

Gründer, W. and Sauer, H.
THE DETERMINATION OF GRANULAR CHARACTERISTICS CURVES AND SURFACES OF DISINTEGRATION PRODUCTS EXEMPLIFIED ON FLOUR.
[1963] [36 p. (refs. omitted).
Order from SLA \$3.60

63-14953

Trans. of Kolloid-Zeitschrift (Germany) 1937, v. 79, no. 3, p. 257-273.

DESCRIPTORS: Particles, *Particle size, *Cereals, Decomposition, Mathematical analysis, Optical analysis, *Flour, Determination.

(Food, TT, v. 10, no. 5)

63-14953

I. Gründer, W.
H. Sauer, H.

Office of Technical Services

On the Size of Gas Bubbles in Liquids, by R.
Schnurmann,

GERMAN, per, Kolloid Z., Vol LXXX, 1937, pp
148-151.

ASLIB-GB45

Sci

Aug 58

71, 213

Sata, Naoyasu.
EFFECT OF ULTRASONIC WAVES ON COLLOID
SOLUBILITY. III. PEPTIZATION OF CARBON IN
ETHYL ETHER. [1961] [10]p. 11 refs.
Order from SLA \$1.10 62-10760

Trans. of Kolloid-Zeitschrift (Germany) 1937, v. 81,
p. 182-187.

DESCRIPTORS: *Colloids, Solubility, *Ultrasonic
radiation, Ethyl ethers, Carbon

(Unannounced)

62-10760

I. Sata, N.
II. Title: Peptization...

Office of Technical Services

Scheibe, G.

REVERSIBLE POLYMERIZATION AS THE CAUSE:
FOR NEW TYPE ABSORPTION BANDS OF DYES
(Reversible Polymerisation als Ursache Neuartiger
Absorptionsbanden von Farbstoffen). [1962] [37]p.
(foreign text included) 19 refs.

Order from SLA 53. 60

62-16491

Trans. of Kolloid-Zeitschrift (Germany) 1938, v. 32,
no. 1, p. 1-14.

DESCRIPTORS: "Polymerization, Absorption spectra,
Dyes, Polarization, Molecular association

(Unannounced)

62-16491

I. Scheibe, G.

Office of Technical Services

Contributions to the Chemical Characterization and
Analytical Investigation of Peat, by S. W. Souci.

GERMAN, per, Kolloid Zeitschrift, Vol LXXII, 1938,
pp 87-99.

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Central Exper Sta
Pittsburgh, Pa. No 340

Sci - Chem

May 59

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New Practices and Methods for Leather Dyeing,
by Otto Gerhard, 9 pp.

GERMAN, per, Kolloid-Z, Vol LXXXIII, No 1, 1938,
pp 120-128.

SLA 60-14609

Sci

OTS, Vol IV, No 3

129,434

Oct 60

Christiansen Dispersion Filters for High-
Intensity and Selective Monochromators, by
W. Gerfcken, GOVERNMENT USE ONLY
GERMAN, per, Kolloid Zeitschrift, Vol LXXXVI,
No 1, 1939, pp 55-60. P200167067
RSIC-656

Sci-Phys

Jun 67

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Dielectric Constants of Colloidal Systems, by
Erich Heyman, 16 pp.

GERMAN, per, Kolloid Z, Vol LXVI, 1939,
pp 229-235.

AEC Tr 2943

Sci - Chemistry
Oct 57

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Dusting Tendency of Materials, by A. H. M.
Andreassen, N. Hofman-Bang, N. H. Rasmussen.

GERMAN, per, Kolloid Z, Vol LXXVI, Dresden,
1939, pp 70-77.

Dept of Interior
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Tr 27

Sci - Chem
Dec 59

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Capillary systems. XXII. 3. The disturbance
of neutrality at membranes traversed by
electric current, by Manegold, E., Kalauch, K.,
44pp.

GERMAN, per, Kolloid, Z., 86, no 3, 1939,
p 313-339.

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Sci

Aug 59

94, 363

Hofmann, Ulrich and Giese, Kurt.
CATION EXCHANGE IN CLAY MATERIALS [1963]
36p. 37 refs.
Order from SLA \$3.60

63-16261

Trans. of Kolloid-Zeitschrift (Germany) 1939, v. 87,
no. 1, p. 21-36.

DESCRIPTORS: *Clay minerals, *Clay, *Ion exchange,
Ions, X-ray diffraction analysis, Electrodialysis.

(Chemistry--Physical, TT, v. 10, no. 5)

63-16261

I. Hofmann, U.
II. Giese, K.

Office of Technical Services

The Disperse Structure of Solid Real Systems
and Its Thermodynamic Foundation, by D.
Palarew, 18 pp.

GERMAN, per, Kolloid-Zeitschrift, Vol LXXXVIII,
No 2, 1939, pp 161-171.

A.E.R.E. Haywell Tr 535.

Sci - Engineering

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Passivity and Corrosion of Metals,
by W. J. Muller.

GERMAN, per, Kolloid Zeitschrift,
Vol LXXXVI, 1939.

CSIRO

Sci - Min/Met

NRCC 02424

Mar 62

possibly SLA
188,008

Hüttig, Gustav F. and Kosterhau, Kurt.
 THE TRANSITION OF ANATASE INTO RUTILE AND
 THE INFLUENCE OF THE PRESENCE OF HYDROGEN
 CHLORIDE GAS (Der Übergang von Anatas in Rutil
 and seine Beeinflussung durch die Anwesenheit von
 Chlorwasserstoffgas. (Aktive Oxide und Reaktionen
 fester Stoffe. 117. Mitteilung). Communication 117 on
 Active Oxides and the Reactions of solid substances
 [1963] 16p. (foreign text included) 6 refs.
 Order from SLA \$1.60 63-16753

Trans. of Kolloid-Z[eitschrift] (Germany) 1939,
 v. 89, no. 2, p. 202-208.

DESCRIPTORS: Solids, Chemical reactions, *Oxides,
 Phase transitions, *Gases, *Chlorides, *Hydrogen
 compounds, *Titanium compounds, *Dioxides.

See also 63-16752

(Physics--Solid State, TT, v. 10, no. 8)

63-16753

- I. Title: Anatase
1. Hüttig, G. F.
- II. Kosterhau, K.
- III. Title: Active...

Office of Technical Services

Effect of Centrifuging on the Viscosity of Living
Protoplasm, by E. Kuster.
GERMAN, per, Kolloid Z, Vol 1 LXXXIX, No 2, 1939,
pp 237-238.
CSIRO/No 6597

Sci - Chem
Apr 64

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Aluminium Stearate, by H. Eigenberger, A. Eigenberger-
Bittner

GERMAN, per, Kolloid Ztschr, Vol XCI, 1940,
pp 287-294.

Nat'l Res Council Canada TT 285

Scientific - Chemistry
Jul CTS/DEX Price 0.25

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On Structure of Cellulose Fibres, by
H. Ruska.

CASREANI, par, Kolloid-Z., Vol. XCII,
1940, pp 276-285.

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Sci. - Phys
Jul. 62

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1941 V10 P254-270

1942 V10 P66-76

1950 V11 P1A-27

1951 V121 P50-54

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1952 V125 P124-130

1952 V125 N3 P160-171

1952 V126 N1 P20-35

1952 V126 P19-22

1952 V126 N1 P32

1952 V127 P137-140

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70-22649 (<*)

70-22650 (<*)

70-22651 (<*)

70-23783 (<*)

70-23447 (<*)

70-22652 (<*)

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70-23644 (<*)

70-23770 (<*)

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Potassium Sulfate Pulp, a New High-Grade Pulp;
by H. Erdtzing, 2 pp.

CHENMAN, per, Kolloid Z, Vol XCV, 1941, p 212.

Assoc Tech Sv 00110

Sci.
Aug 58

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Investigations With Electrolytically Produced and Tempered Aluminum Oxide Films by Means of Electron Interferences and in the Ultramicroscope, by Georg Hass, Helmut Kehler, 18 pp.

GERMAN, per, Kolloid Z, Vol XCVII, No 1, 1941, pp 27-35. 9007884

AEC SCL-T-396

Sci - Phys
Apr 62

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What does the Electron Microscope Reveal Re-
garding the Structure of Cellulose Fibres?
by W. Wergin.

GERMAN, per, Kolloid-Z, Vol. XCVIII, 1942,
pp 131-139.

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Sci. - Phys
Aug 62

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The Structure of the Gel of Regenerated
Cellulose Fibres, I. by E. Hubert, A. Matthes,
K. Weisbrod, 12 p.

GERMAN, per, Kolloid Zeit, 1942, Vol XCVIII,
No 2, pp 173-180.

BLA 59-20110

Sci
Feb 60
Vol 2, No 10

108,841

Kuhn, W.

Relationships Between Elastic Constants and Stretching
Double Refraction of Highly Elastic Substances.
KOLLOID-ZEITSCHRIFT UND ZEITSCHRIFT FUER POLYMERE,
Vol 101, pp 248-271, 1942.
72-60900-11J

Feb 73

Cemented Carbides Considered From the Viewpoint
of Dispersoid Chemistry. Communication II. by
F. Skaupy.

GERMAN, per, Kolloid Zeitschrift, Vol CII, 1943.

Brutcher Tr 1558

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Scientific - Chemistry

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Permutoids, by H. Kautsky.

GERMAN, per, Kolloid Z., Vol CII, No 1, 1943, pp
1-14.

CSIIIO-313

Sci

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Some Investigations of the Production of
Mono-Dispersed Substances, by A. H. M. Andreasen,
ENXER 17 PP.

GERMAN, per, Kolloid Zeitschrift, Vol CIV, No 2/3,
1943, pp 181-189.

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AWRE Tr No 16

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Sci - Chem
Aug 61

Contributions to the Theory of the Viscosity
of the Solutions of Macromolecular Substances,
by P. H. Hermans, J. J. Hermans, D. Vermaas,
16 pp.

GERMAN, per, Kolloid Z, 1943, Vol CV, No 3,
pp 199-204.

SLA 59-10695

Sci - Chem
OHS I, 12
Jul 59

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Temperature Increases of Objects in Electron Microscopes, by Bodo von Borries, Walter Glaser.
GERMAN, per, Kolloid-Zeitschrift, Vol 106, 1944,
pp 123-128. P911043666
AEC ANL-tr-335

Sci/Physics
Sep 66

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Conversion of Cellulosic Material into Viscose by the Emulsion Method for the Determination of the Viscosity and the Mean Degree of Polymerization. 1. Development of a New Measuring Technique. 2. Application of the Measurements to Celluloses of High Viscosity and Unbleached Pulps, by G. Jayme, J. Wells. GERMAN, per, Kolloid Zeitschrift, Vol. 107, No. 3, 1944, pp 163-180, Vol. 108, No. 1, 1944, pp 20-30. CSR.CO/

Sci-
July 1967

334,015

62-14784

Erbring, H. and Lehmann, H.
EXCHANGE REACTIONS ON Na-BENTONITES INVOLVING ORGANIC MACRO COLLOID IONS. [1962]
[5]p. 4 refs.
Order from SLA \$1.10

62-14784

Trans. of Kolloid-Zeitschrift (Germany) 1944, v. 107
[no. 3] p. 201-205.

DESCRIPTORS: *Exchange reactions, *Sodium,
*Bentonite, Colloids, Ions, Electrolytes, Pyridines,
Chlorides, Laurates, Sulfates, Ion exchange.

(Chemistry--Physical, TT, v. 8, no. 4)

I. Erbring, H.
II. Lehmann, H.

Office of Technical Services

61-14019

Wurstlin, F.
DIELECTRIC MEASUREMENT OF THE CHAIN MO-
BILITY OF LINEAR, HIGH-MOLECULAR SUB-
STANCES. [1949] 9p. (3 figs. omitted) 31 refs.
Order from SLA ml\$1.80. ph\$1.80 61-14019

Trans. of Kolloid-Zeitschrift (West Germany) 1948,
v. 110 (no. 2) p. 71-78.

- 1. Polymers--Dielectric properties
- 2. Dielectric properties--Measurement
- 1. Wurstlin, F.

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(Unannounced)

Optical Microscope Measurement of the Size of
Particles of Carbon in Rubber, by J. Kruse,
11 pp.

GERMAN, per, Kolloid Zeit, Vol CX, 1948,
pp 125-132.

SNP
CIA/FDD/Z-173

28,622

Scientific - Physics

Nov 55 CTS/DEK

Structure Mechanics of Rheonomic Systems.
Pt. 14. The Theory of the Filter Effect,
by H. Dastatter, H. Flaschka, H. Volker.
GERMAN, per, Kolloid-Zeit und Zeitschrift
fuer Polymere, Vol 110, 1948, pp 214-21.
ATS-4358G

331, 499

Sci - Chem
Jul 68

Electric and Magnetic Properties of Ferrimagnetic
Garnet - Iron (III), Oxide in High Frequency
Alternating Field, by Friedrich Wagenknecht, 25 pp.

GERMAN, per, Kolloid Zeit. Vol CXII, No 1, 1949,
pp 34-60.

Navy Tr/343/NRL560

Scientific - Min/Metals
- Electricity

Jul 56 CTR/dex

36,257

Auerbach, R[udolf].

THE ELECTRICAL CONDUCTIVITY OF SOLID DISPERSOIDS. 4 May 61 [13]p. 7 refs.

Order from SLA \$1.60

61-16531

Trans. of Kolloid-Z[eitschrift] (West Germany) 1949, v. 112 [no. 1] p. 60-66.

DESCRIPTORS: *Colloids, *Electrical conductance, *Semiconductors.

Mixtures of disperse conductors or semiconductors with insulating binders show, over a narrow concentration range, a change in electrical resistance of 10^6 to 10^{12} . This critical concentration range moves to lower values as the specific sediment volume of the disperse phase increases. In the critical concentration range, the resistances depend on voltage and, possibly, also on pressure. By forming the solidifying dispersing agent in an electric field, direction-dependent resistances are produced. (Author)

61-16531

I. Auerbach, R.

180466

Office of Technical Services
(Chemistry--Physical, TT, v. 6, no. 3)

Spontaneous Emulsification Due to Negative Interfacial
Tension, by M. V. Stackelberg, et al.

GERMAN, per, Kolloid Z., Vol. CXV, No 1-3, 1949,
pp 53-66.

AUS 465-GJ

Sci. Chem

Aug 60

123,359

63-16474

Dervichian, D. G.

THE PHASE EQUILIBRIUM IN COLLOIDAL SOLUTIONS

[Das Phasengleichgewicht in Kolloiden Lösungen].

[1963] 11p. (figs. omitted) 34 refs.

Order from SLA \$1.60

63-16474

1. Dervichian, D. G.

Trans. of Kolloid-Zeitschrift (West Germany) 1949,
v. 115 [no. 1/3] p. 76-82.DESCRIPTORS: *Phase studies, *Colloids, Proteins,
*Albumins, Salts, *Cellulose acetates, *Soaps,
Solvents, Water, Chloroform, Ethanol, Solutions,
Chemical precipitation.The domains of existence were determined for the
different types of phases (isotropic solutions, isotropic
liquid precipitates, anisotropic liquid precipitates and
solid precipitates) that can exist together in different
colloidal systems when one varies the solubility con-
(Chemistry--Physical, TT, v. 10, no. 6) (over)

Office of Technical Services

Joly, M.
INVESTIGATIONS INTO THE CONVERSION OF SOME
COLLOIDAL SYSTEMS WITH THE HELP OF
STREAMING BIREFRINGENCE. [1963] 10p. (figs.
omitted) 44 refs.
Order from SLA \$1.10

63-16475

Trans. of Kolloid Zeitschrift (West Germany) 1949,
v. 115, no. 1/3, p. 183-189.

DESCRIPTIONS: *Colloids, Gels, *Gelatin, Serum
albumin, Agglutination, Molecular association, Heat
treatment, Refraction.

It is shown to what extent the determination of the angle
of extinction of average concentrated colloidal system,
corresponding to the streaming birefringence, permits
one to follow the evolution with great accuracy, with
time and under the effects of different chemical or
physical agents. A detailed study is made of the
(Chemistry--Physical, TT, v. 10, no. 7) (over)

63-16475

1. Title: Birefringence
1. Joly, W.

Office of Technical Services

The Chromatography of Soluble Starch, by
M. Ulmann.
GERMAN, per, Kolloid-Zeit, Vol 116, No 1,
1950, pp 10-18.
NTC 69-12670-07D

Sci-Chem
Aug 69

389,393

Investigation on Cellulose Fibres. 10th Report on
the Processes Occurring During the Dyeing of
Cellulose Fibres, by K. Lauer.

GERMAN, per, Kolloid-Zeitschrift, Vol CXVI, 1950,
pp 28-31.

C.S.I.R.O.

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115,774

Optical and X-Ray Investigations of The Fully-Synthetic Perlon Fiber*, by E. Kordes, F. Gunther, L. Buchs, W. Gottner, 26 pp. UNCLASSIFIED.

GERMAN, per, Kolloid Z, Vol CXIX, 1950, pp 23-38.

CIA/MDD/X-1475

ATS-710376

Scientific - Chemistry

13,648

Sippel, A.
THE QUESTION OF CELLULOSE MODIFICATIONS.
[1961] 4p. (figs. omitted) 3 refs.
Order from SLA mi\$1.80, ph\$1.80 61-14020

Trans. of Kolloid-Zeitschrift (West Germany) 1950,
v. 119, no. 1, p. 42-45.

(Physics--Molecular, TT, v. 5, no. 12)

61-14020

1. Cellulose--Molecular
structure
1. Sippel, A.

151469

Office of Technical Services

The Theory of Adsorption. I-II, by O. Theimer,
G. F. Hüttig, 24 pp.

GERMAN, per, Kolloid Zeitschrift, Vol CXIX,
1950, pp 69-73, 157-160.

S.L.A. Tr No 271/1955

Sci - Physics
Jan 1957 CTS/dex

44,933

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R-564

Determination of the Crystalline Portion in a
Macromolecular System by Means of X-Rays,
by Hermans

GERMAN, per, Kolloid Zeitschrift, VOL. LXX, pp 3-9

*JPRS for ARGMA

May 61

Orientation States in High Polymers, by W. Kast,
26 pp.

GERMAN, Ger., Kolloid Z., Vol CXXI, 1951, pp 40-52.

AEC SCIL-T-2510

Sci - Chem
Apr 60

112,962

X-ray Study of the Processes of Deformation in
Hermans' Hydrate Cellulose Filaments, by O.
Kratky, G. Porod, E. Treiber, 32 pp.

GERMAN, per, Kolloid-Zeitschrift, Vol CXXI,
No 1/2, 1951, pp 1-20.

SLA 60-10768

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OTS, Vol III, No 7

133,053

Nov 60

Stability and Some Methods for Its Measurements,
K. Schultze, 26 pp. UNCLASSIFIED

GERMAN, per, Kolloid Zeitschrift, Vol CXXI,
1961, pp 57-64.

QMT 454

Scientific - Chemistry

Oct 53 CTS

6681

Change of State in Dilute Starch Solutions,
Part I. Chromatography, by M. Ulmann.
GERMAN, per, Kolloid-Zeit, Vol 123, No 2/3
1951, pp 103-113.
NTC 69-12671-07D

Sci-Chem
Aug 69

389,394

Relations between the Development in Time of
the Surface Tension of Wetting Agent-Solutions
and the Speed of Wetting, by H. Lange, 13 pp.

GERMAN, per, ^{2) 21 UXXI,} Kolloid Z., No 3, 1951, pp 130-
134.

SLA 57-3052

Sci

Aug 58

71, 202

Sonic Velocity in Liquids is Dependent on Pressure
(From the Molecular Kinetic Conception of Liquids),
by K. Altenburg, 5 pp. UNCLASSIFIED

Full translation.

GERMAN, per, Part IV. Kolloid Zeitschrift, Vol 122,
1931, pp 35-36.

QMT-379

Sci - Physics

Aug 52 CTS

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Hydrogen-Bridge Bonding and Chromatography Separation
(Mercapto Compounds), by H. Hoyer, 6 pp. UNCLASSIFIED

Full translation.

GERMAN, per, Kolloid Zeitschrift, Vol 122, 1951,
pp 142-143.

QMT-389

Sci - Chem

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Colloid-Chemical Problems in the Separation of the
Red Mud From the Aluminate Solution in Bayer
Process Skimming, by E. Herrmann, 28 pp.

GERMAN, per, Kolloid-Zeitschrift, Vol CXXIII,
No 1, 1951, pp 22-33.

S.L.A. Tr No 240/1955

Sci - Chemistry
Jan 1957 CTS/dex

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Preparation of Vinyl Esters Patent Literature,
by F. Kainer, 44 pp.

GERMAN, per, Kolloid Zeits, Vol CXXIII, 1951,
pp 40-51.

SLA 337
S. L. A. T# 614/56

Sci - Chemistry

38,329

Aug 56 CIB/dex

Physics of High Polymers and Fundamental Physics,
by F. H. Muller, 28 pp.
GERMAN, per, Kolloid-Zeitschrift, Vol CXXIII, 1951,
pp 66-83. 9220773
AEC-SC-TF-64-42

Sci-Phys
May 64

257,161

TT-63-20536

Uberreiter, K. and Neng, S.
SPECIFIC HEAT, SPECIFIC VOLUME, TEMPERA-
TURE AND HEAT CONDUCTIVITY OF HIGHPOLY-
MERS. I. DISTYRENE AND HIGHPOLYMER
STYRENE. [1963] 11p (figs tables refs omitted)
Order from SLA \$1.60 TT-63-20536

Trans. of Kolloid-Zeitschrift [und Zeitschrift für
Polymere] (West Germany) 1951, v. 123, p. 92-[99].
(Abstract available)

DESCRIPTORS: *Styrenes, Styrene plastics,
*Thermochemistry, Specific heat, Thermal con-
ductivity, Density, Polymers.

The specific heat, the temperature conductivity and the
specific volume of distyrene and a polystyrene with the
polymerization-degree of 33 have been measured in the
freezing range and the heatconductivity was calculated.
The curve of the specific heat shows the known jump in
(Chemistry--Physical, TT, v. 11, no. 4) (over)

- I. Title: Distyrene
- I. Uberreiter, K.
- II. Neng, S.
- III. Title: Distyrene...

Office of Technical Services